

ABSTRACT OF THE DISCLOSURE

Systems and methods for initializing devices such as computers, computer-based appliances, and processors and, in particular, systems and methods for initializing devices comprising one or more volatile logic devices after a power turn-on or a commanded reset. In one aspect, a method for initializing a computer system comprises sensing a command signal to boot the computer system, generating a first control signal to initialize a boot process, generating a second control signal to initialize a programmable logic device prior to completion of the initialization of the boot process, and booting the computer system using the initialized programmable logic device. In another aspect, a boot manager circuit is provided for managing initialization of a computer system. One embodiment of a boot manager circuit comprises a first sense circuit for sensing power-up and ensuring power stability, a second sense circuit for sensing a command signal to boot the computer system; a control circuit for generating a control signal in response to sensing of a command signal, to initialize a programmable logic device in advance of a boot process, and a state machine for outputting a flag indicative of the type of the type of boot process commanded.